**Earth Science The Rock Record ( Chapter 8 Outline)**

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: **Define in your own words**

Uniformitarianism-

Law of superposition-

Unconformity-

Absolute age-

Varve-

Half-life-

Radiometric dating-

*Respond to the following:*

Compare and contrast the three types of unconformities. (6 pts)

Explain how radioactive decay can be used to determine absolute age of a rock. (2 pts)

***ABOUT THE READING:***

Write three things that you learned about the Rock Record*:*

***Make sure to write a full sentence.***

*Example: I learned that James Hutton was a Scottish scientist that believed the key to learning about the future is to study past geologic processes.*

*1.*

*2.*

*3.*

***Assigned work:***  *Create* ***one*** *concept map using the following terms:*

*Under the heading relative age: principle of original horizontality, graded bedding, law of superposition, cross-bed, ripple mark, and unconformity.*

*Under the heading absolute age: varve, radiometric dating, parent isotope, daughter isotope, carbon dating, and half-life.*

*Worth 16 pts total. 12 pts for vocab and 4 pts for concept map organization.*